

Figure 1

Encoding Set	Function
#10	Decimal digits [0-9] (base 10)
#16	Hexadecimal digits [0-9A-F] (base 16)
#24	Selected alphanumeric characters [BCDFGHJKMPQRTVWXY2346789] (base 24)
#26	Upper case letters [A-Z] (base 26)
#34	Alphanumeric characters [0-9A-HJ-NP-Z] (base 34)
#36	Alphanumeric characters [0-9A-Z] (base 36)
#64	Alphanumeric characters [0-9A-Za-z+/] (base 64)

Figure 2

Encoding Length	Function
%0 ... %9	1 (%0) to 10 (%9) characters

Figure 3

Encoding Element	Function
:a ... :z	26 numeric elements; e.g. 32 bit integers
:C	Checksum element; e.g. CRC32
..	Variable-length textual element

Figure 4

Encoding Attribute	Function
\$c	Include a check digit per element
\$s	Scramble the element prior to encoding

Figure 5

Element Type	Element Description	Example Value
Card Type	represented by a single letter, e.g. American Express (A), Barclays (B), Diners (D), Master (M), Visa (V), etc.	Z
Card Number	Up to 24 decimal digits	1234 5678 9012 3456 7890 1234
Expiry Date	2 digits for year + 2 digits for month	9909
Currency	Unit of currency represented by 3 capital letters (e.g., AUD)	AUD
Amount	Amount of transaction; up to 10 decimal digits	12,345,687.90
Account Holder Name	Name of credit card holder in capital letters	SAM SAMPLE
Checksum	32-bit value transmitted with the dataset to verify transmission, validity between sending and receiving parties.	

Figure 6

Element Type	Element Description	Example Value
Number	Position of item on bill; up to 3 decimal digits	1
Count	Number of items; up to 3 decimal digits	500
SKU/ID	Unique item identifier; up to 10 decimal digits	4567
Unit Price	Price per item; up to 10 decimal digits	12,345.67
Description	Item description; alphanumeric	125 gram Yummy
Checksum	32-bit value transmitted with the dataset to verify transmission validity between sending and receiving parties	